

1 **Title**

2 **Comparing ant behaviour indices for fine-scale analyses**

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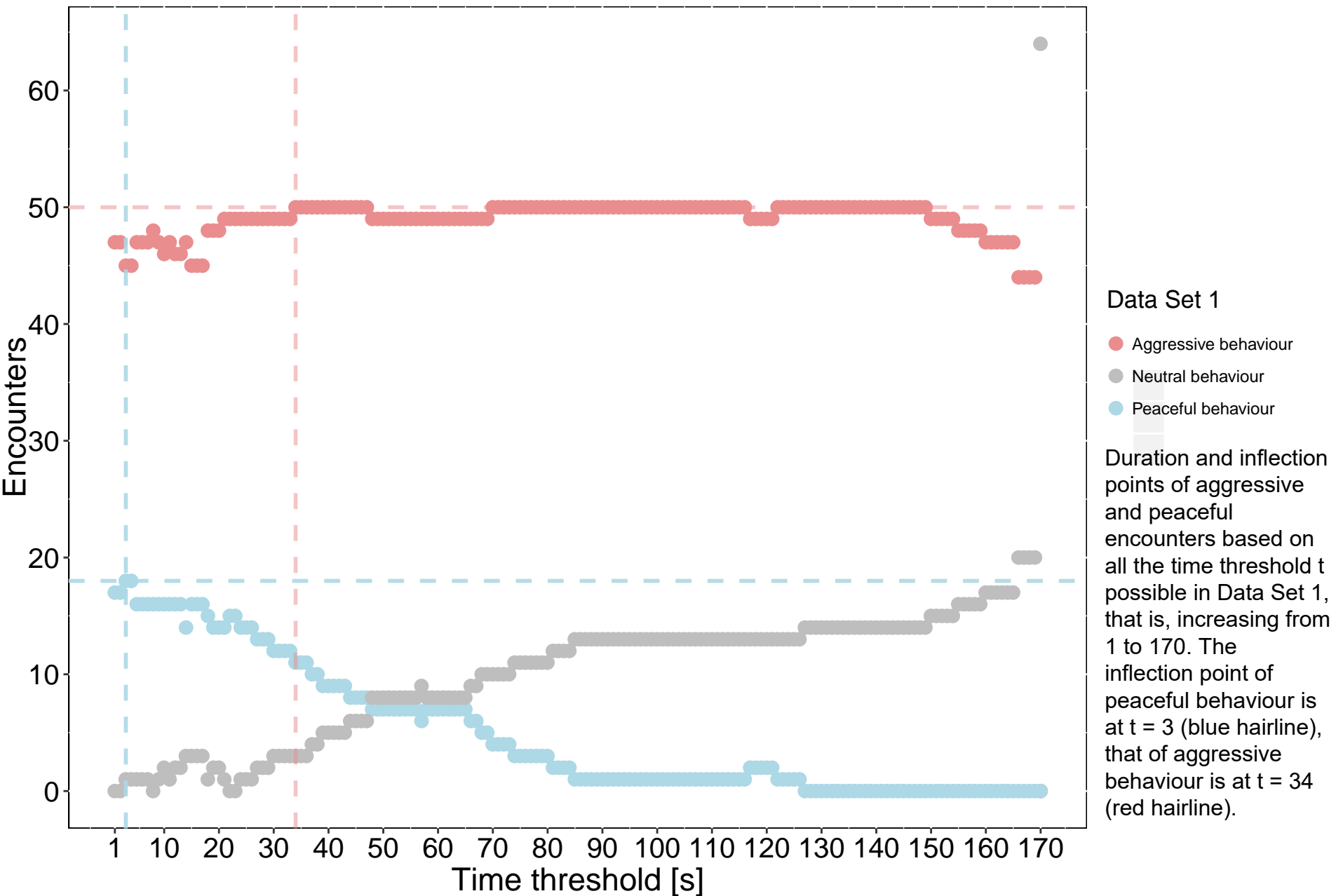
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7 Table S1. Characteristics of the colonies assayed.

Data set	ID	Location	Country	Species	Latitude	Longitude
Data Set 1	K1	Kuehtai	Austria	<i>T. alpestre</i>	47.21923 N	11.07521 E
Data Set 1	K2	Kuehtai	Austria	<i>T. alpestre</i>	47.21929 N	11.07582 E
Data Set 1	P1	Penser Joch	Italy	<i>T. alpestre</i>	46.81439 N	11.44237 E
Data Set 1	P2	Penser Joch	Italy	<i>T. alpestre</i>	46.81404 N	11.44196 E
Data Set 2	18986	Kuehtai	Austria	<i>T. alpestre</i>	47.21935 N	11.07549 E
Data Set 2	18987	Kuehtai	Austria	<i>T. alpestre</i>	47.21925 N	11.07578 E
Data Set 2	18988	Kuehtai	Austria	<i>T. alpestre</i>	47.21423 N	10.99767 E
Data Set 2	18989	Kuehtai	Austria	<i>T. alpestre</i>	47.21407 N	10.99767 E
Data Set 2	18992	Penser Joch	Italy	<i>T. alpestre</i>	46.81412 N	11.44198 E
Data Set 2	18993	Penser Joch	Italy	<i>T. alpestre</i>	46.8144 N	11.44244 E
Data Set 3	17808	Kuehtai	Austria	<i>T. alpestre</i>	47.2097 N	11.1025 E
Data Set 3	17809	Kuehtai	Austria	<i>T. alpestre</i>	47.2192 N	11.0769 E
Data Set 3	17810	Kuehtai	Austria	<i>T. alpestre</i>	47.2096 N	11.1024 E
Data Set 3	17811	Kuehtai	Austria	<i>T. alpestre</i>	47.2099 N	11.1036 E
Data Set 3	17812	Kuehtai	Austria	<i>T. alpestre</i>	47.2099 N	11.1035 E
Data Set 3	17813	Kuehtai	Austria	<i>T. alpestre</i>	47.2097 N	11.0847 E
Data Set 3	17815	Kuehtai	Austria	<i>T. alpestre</i>	47.2192 N	11.0756 E
Data Set 3	17816	Kuehtai	Austria	<i>T. alpestre</i>	47.2192 N	11.0758 E
Data Set 3	17817	Kuehtai	Austria	<i>T. alpestre</i>	47.2194 N	11.0767 E
Data Set 3	17818	Kuehtai	Austria	<i>T. alpestre</i>	47.2208 N	10.9858 E
Data Set 3	17819	Kuehtai	Austria	<i>T. alpestre</i>	47.2214 N	10.9861 E

8 Note: ID represents a code for different nests used in behaviour assays.

Fig. S1



Data Set 1 - intranest encounters

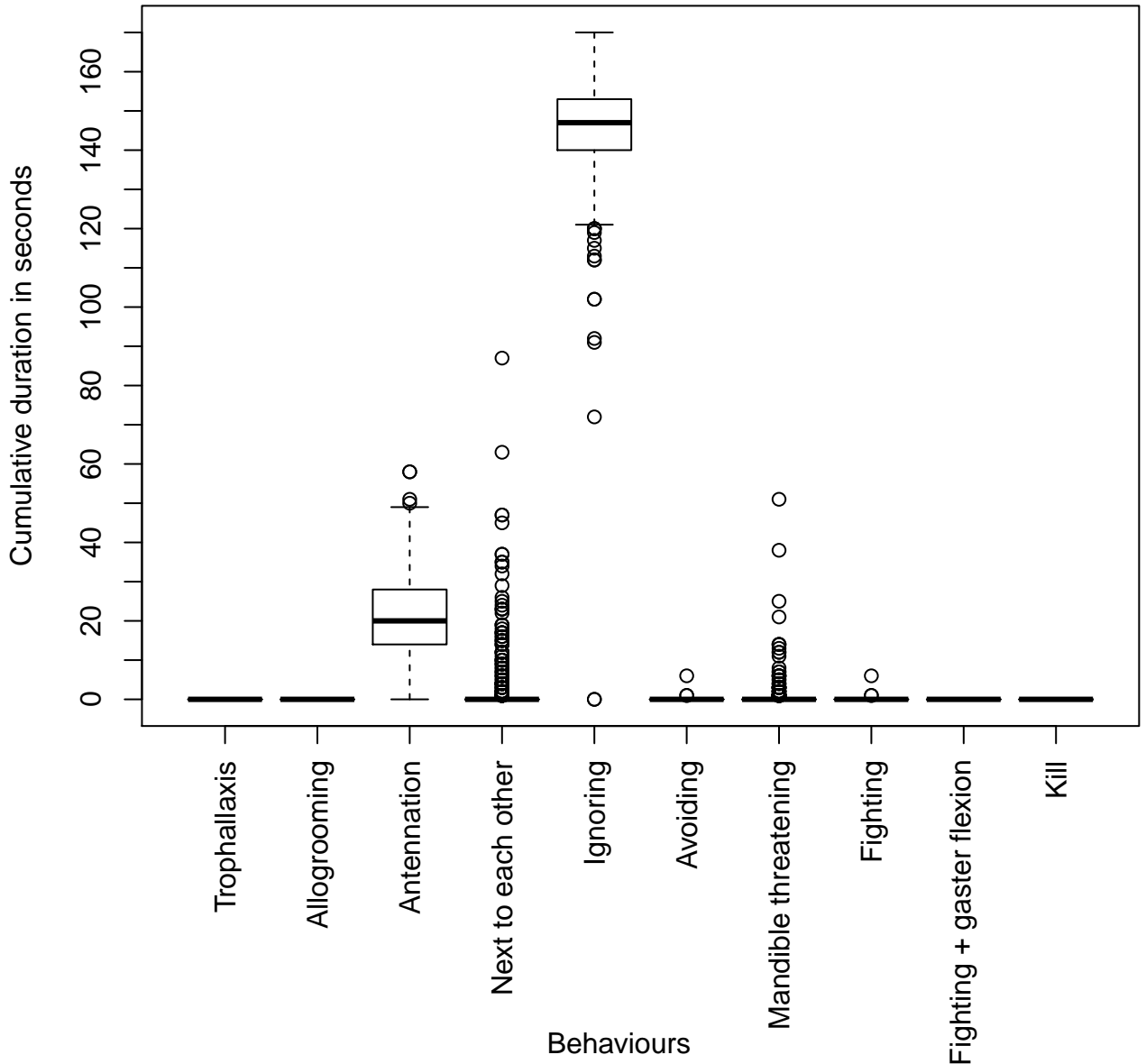


Fig. S2. Behaviour frequency boxplot of all intranest encounters of Data Set 1 (n = 4 encounters per each time point after collection, adding up to 64 intranest encounters).

Data Set 2 – intranest encounters

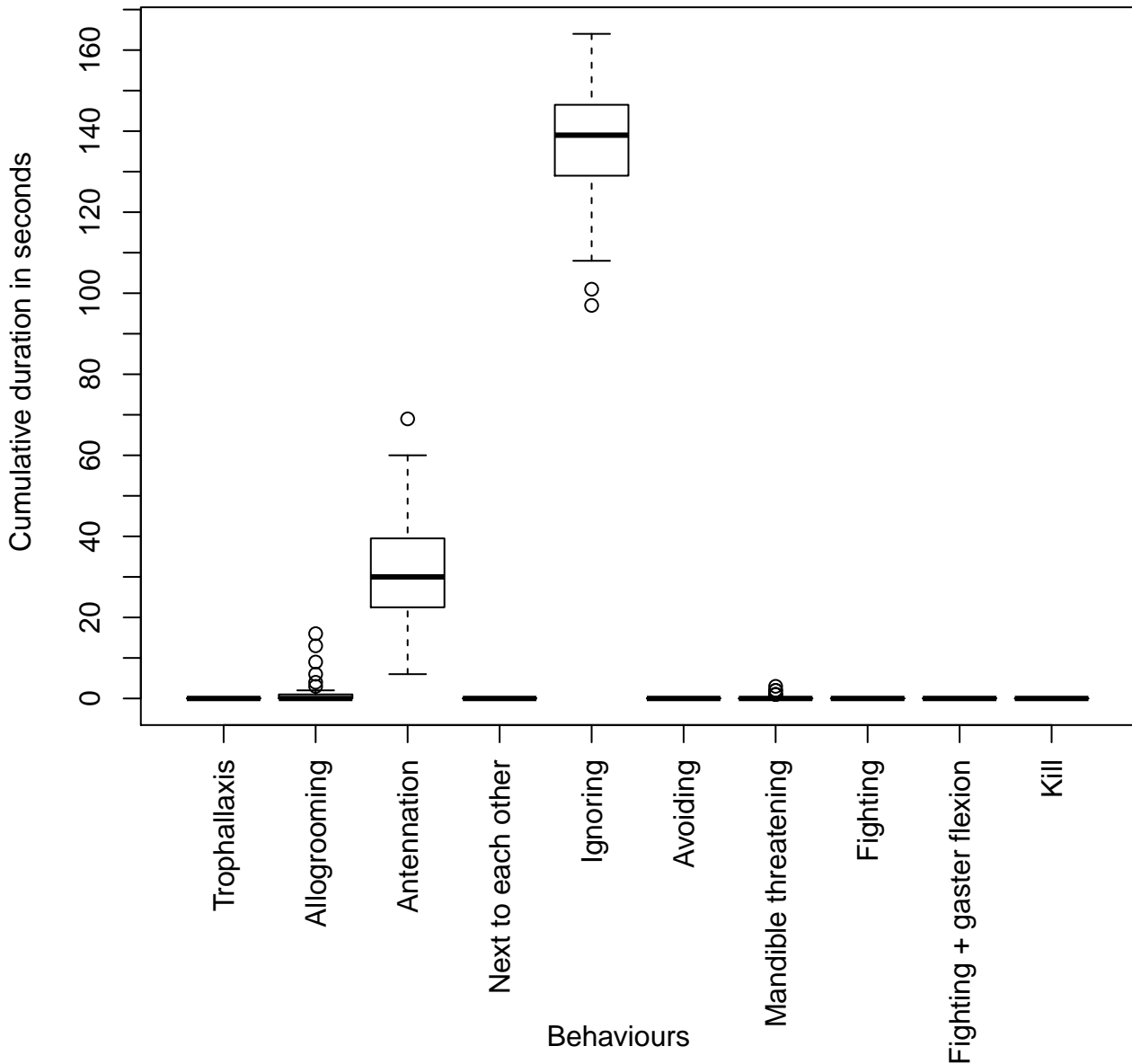


Fig. S4. Behaviour frequency boxplot of all intranest encounters of Data Set 2 (n = 6).

Data Set 2 – internet encounters

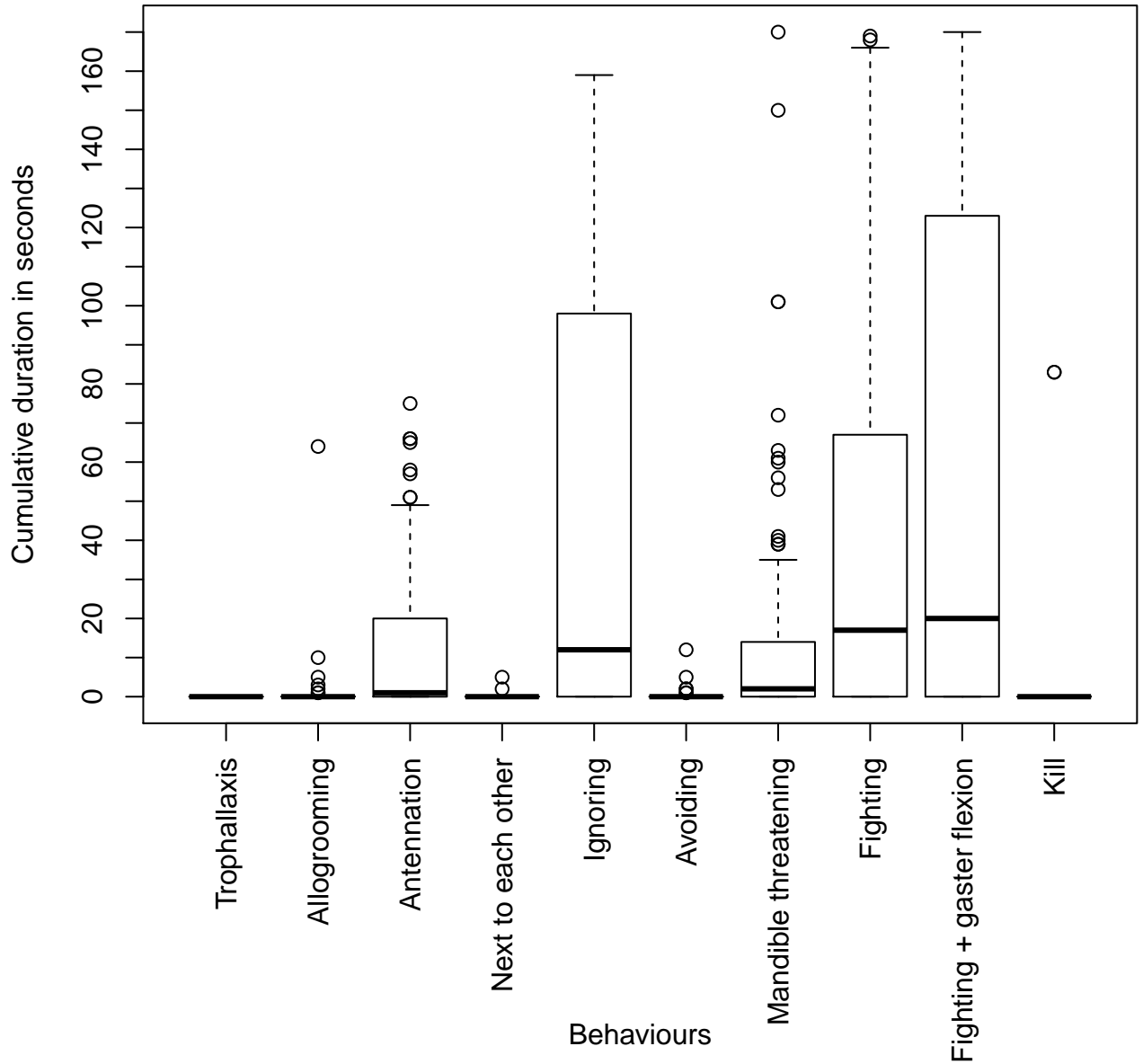


Fig. S5. Behaviour frequency boxplot of all internet encounters of Data Set 2 (n = 22).

Data Set 3 – intranest encounters

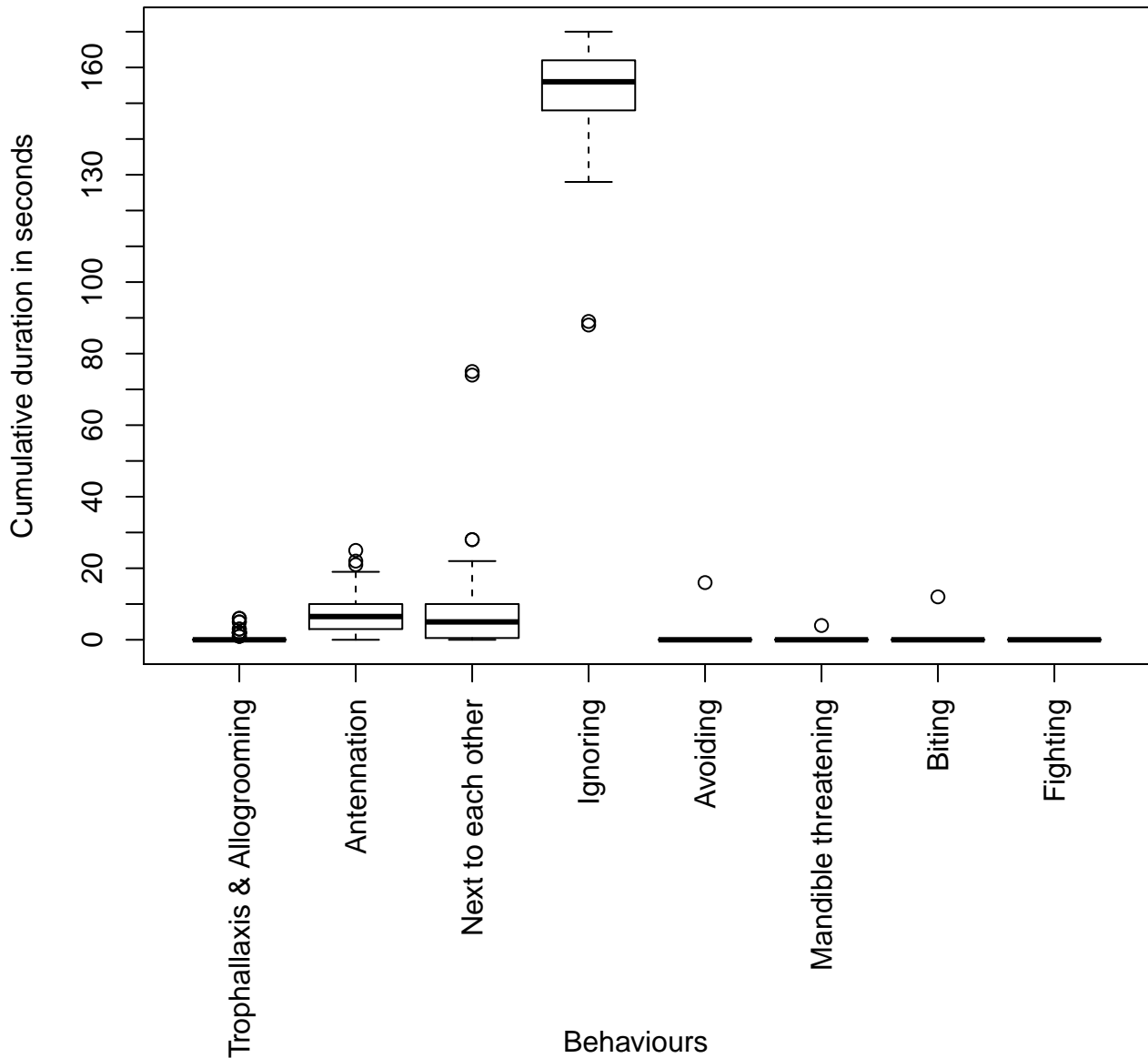


Fig. S6. Behaviour frequency boxplot of all intranest encounters of Data Set 3 (n = 11).

Data Set 3 – internet encounters

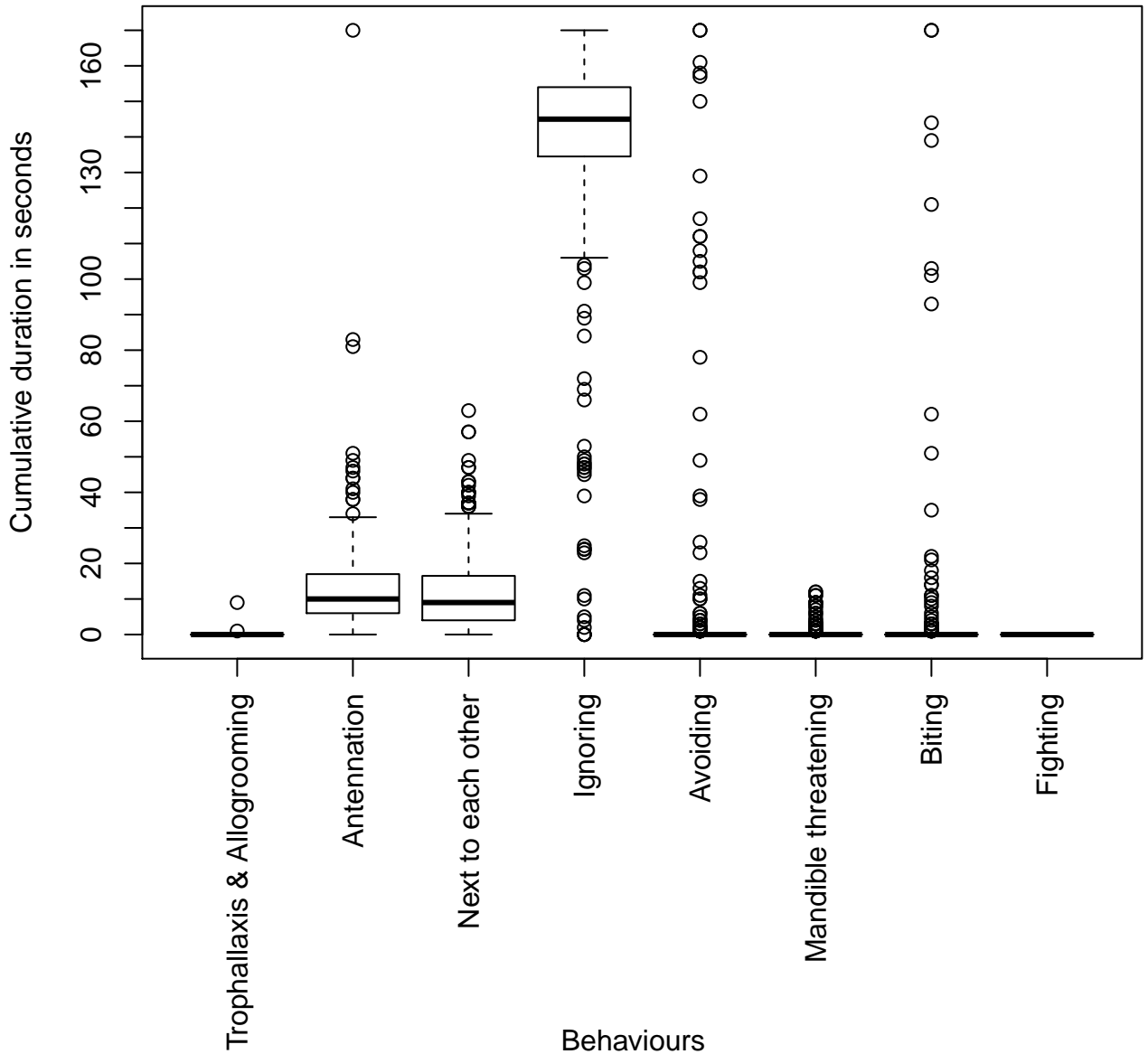


Fig. S7. Behaviour frequency boxplot of all internet encounters of Data Set 3 (n = 55).